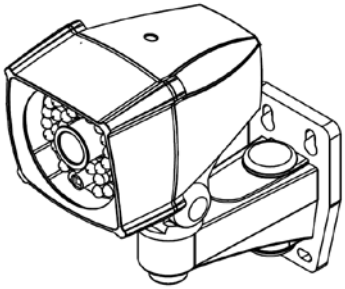
TV7IB42-8360 **3.6mm Lens**
TV7IB42-8600 **6.0mm Lens**

HD TVI 720P ICR OSD 42 IR Bullet Camera



USER MANUAL

FEATURES

- HD TVI - 1280 x 720 @ 30fps
- 1/3" Sony CMOS, 1.3 Megapixel
- 3.6mm or 6.0mm Megapixel Lens
- 42 IR LED; IR distance 100ft / 30m
- 0.02 Lux (F1.2 , AGC ON) / 0 Lux IR on
- 12V DC; 564mA
- IP67 Rating

⚠ ***Please read Manual before attempting to use this product.***
Specifications and appearance are subject to change without notice.

RoHS FC CE

TVI-15_TVI-16

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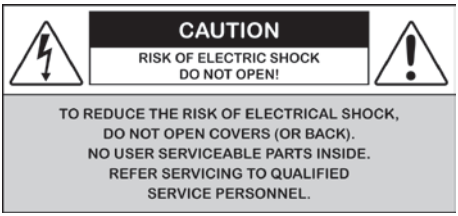
R201502-V23


CAUTION
RISK OF ELECTRIC SHOCK
DO NOT OPEN!
TO REDUCE THE RISK OF ELECTRICAL SHOCK,
DO NOT OPEN COVERS (OR BACK).
NO USER SERVICEABLE PARTS INSIDE.
REFER SERVICING TO QUALIFIED
SERVICE PERSONNEL.

Disposal of Old Electrical & Electronic Equipment (Applicable in the European Union and other European countries with separate collection systems.)

This symbol on the product or on its packaging indicates that this product shall not be treated as household waste. Instead it shall be handed over to the applicable collection point for the recycling of electrical and electronic equipment. By ensuring this product is disposed of correctly, you will help prevent potential negative consequences for the environment and human health, which could otherwise be caused by inappropriate waste handling of this product. The recycling of materials will help to conserve natural resources. For more detailed information about recycling of this product, please contact your local city office, your household waste disposal service or the shop where you purchased the product.

CAUTION

1. Never point the camera toward the sun
Do not expose the lens directly to the sun or to strong light as this may damage the pick-up device.

2. Handle this camera with care
Avoid any shock or bumping of the camera. Improper handling could damage the camera.

3. Requires a proper operating environment
This camera is designed for indoor or outdoor use. The allowable temperature range for operation of this camera is between 14°F ~ 122°F / -10°C ~ 50°C.

4. Clean the front face or lens
It is recommended that the surface be cleaned every 3~6 months. Cleaning should be done by using a chamois, a very fine soft cloth, lens tissue, or cotton tipped applicator and ethanol to carefully remove any fingerprint or dust.

5. Check the power source voltage
The power source voltage should be within the specified range. (Camera must meet the specifications). Camera must be connected to a surge protector at all times.

6. Objects and liquid entry
Never push objects of any kind into this camera as this may touch dangerous voltage points of short out parts that could result in a fire or electric shock. Never spill any kind of liquid on the video product.

7. Servicing
Do not attempt to service this video product by yourself as opening or removing covers may expose you to dangerous voltage or other hazards. Refer all service to qualified servicing personnel.

8. Damage requiring service
Unplug this video product from the wall outlet and refer service to qualified servicing personnel under the following conditions:

a. When the power supply cord or plug is damaged.
b. If liquid has been spilled, or objects have fallen into the video product.
c. If the video product has been exposed to rain or water.
d. If the video product has been dropped or the cabinet has been damaged.
e. When the video product exhibits a distinct change in performance.

LIMITED WARRANTY

OKINA USA products are covered under warranty for one (1) year from the date of purchase. The warranty will automatically be voided if any of the following occurs:

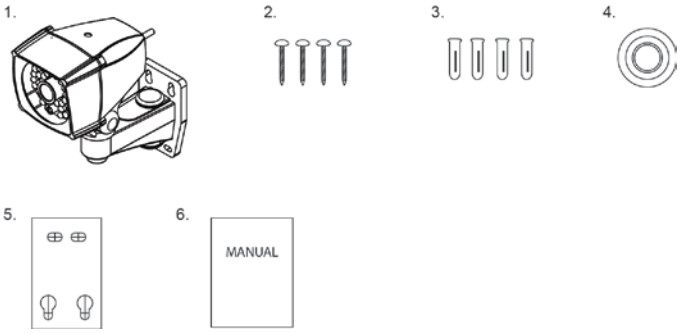
1. Camera sticker is removed
If the camera sticker is removed, we will not be able to confirm any information regarding when and where the product was purchased. We have no other way to verify the purchase record without the serial number on the camera sticker; therefore, it should not be removed.

2. Camera is modified in any way
If the camera is scratched, damaged, or modified in a manner not described in this manual, the warranty will be voided immediately. It is the customer's responsibility to keep the camera in good condition.

3. Video or power cable is cut
The video cable and the power cable should not be tampered with. Cutting or modifying of the cables will result in termination of the warranty.

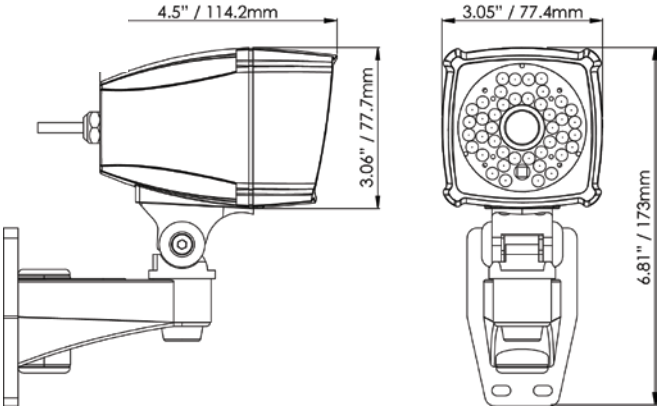
PACKAGE CONTENTS

1. One (1) HD TVI IR Bullet Camera
2. Four (4) Wall Mounting Screws
3. Four (4) Wall Anchors
4. One (1) Rubber Washer
5. One (1) Sticker Mounting Template
6. One (1) User Manual



* For any returns, please include all components listed above with original packaging in **Resalable Condition**. **Absolutely No Returns** will be accepted if any component is missing/damaged.

DIMENSIONS (Unit: inches / mm)



OSD

MAIN MENU	
1. LENS	MANUAL
2. EXPOSURE	↲
3. BACKLIGHT	OFF
4. WHITE BAL	ATW
5. DAY&NIGHT	EXT↲
6. NR	↲
7. SPECIAL	↲
8. ADJUST	↲
9. EXIT	SAVE&END↲

1. LENS

LENS	MANUAL	Default
	DC	N/A

Vari-Focal lens can be installed on this camera.
Manual – Iris is adjusted manually
DC – Iris is adjusted automatically by the camera according to light conditions.

2. EXPOSURE

EXPOSURE	
SHUTTER	AUTO
AGC	ıılıılıı | ıılıı 11
SENS-UP	AUTO↲
BRIGHTNESS	ıılıılıı | ıılıı 35
D-WDR	OFF
DEFOG	OFF
RETURN	RET

EXPOSURE				
SHUTTER	1/60(1/50),FLK,1/240,1/480,1/1000,1/2000,1/5000, 1/10000,1/50000,X2,X4,X6,X8,X10,X15,X20,X25,X30 ,AUTO (Default)			
AGC	1~15 (11)			
SENS-UP	AUTO (Default)	SENS-UP	X2(Default),X4,X6,X8,X10,X15, X20,X25,X30	
		RETURN	RET	SAVE & END
	OFF			
BRIGHTNESS	0~100 (35)			
D-WDR	OFF (Default)			
	ON	LEVEL	0~8 (2)	
		RETURN	RET	SAVE & END
	AUTO			
DEFOG	OFF (Default)			
	AUTO	POS / SIZE	POSITION	SIZE,RET,AGAIN
		GRADATION	0~2 (0)	
		DEFAULT		
		RETURN	RET	SAVE & END

SHUTTER
AES (auto electronic shutter) - the camera automatically sets the optimum shutter speed.
FL - flicker less mode avoids interference from light sources (recommended for video-iris or DC-iris lenses only).
FIXED - forces a fixed shutter speed.

AGC
Regulate the gain or amplification of the video signal, mainly used in low-light conditions with the iris fully open.
Can be used only when DAY&NIGHT is not set to AUTO.

SENSE UP
Allow user selectable digital show shutter speed in order to allow extra light into a camera thereby providing higher sensitivity in low light conditions.

ACCE (D-WDR)
Stands for Adaptive Contrast and Color Enhancement which is equivalent to dynamic range reduction technique.
The contrast ratio of the image can be effectively expressed and the edge information can be improved in order to enhance the overall visibility of the image.

DEFOG
Improves the clarity of images taken in poor conditions such as fog, smoke, rain or snow. Applied to live or recorded color video, it provides real time results and displays visual details that would normally have been difficult to distinguish.

3. BACKLIGHT

BACKLIGHT				
OFF (Default)				
BLC	LEVEL	MIDDLE (default), HIGH, LOW		
	AREA	POSITION	SIZE,RET,AGAIN	
	DEFAULT			
	RETRUN	RET	SAVE & END	
HBLC	SELECT	AREA1, AREA2, AREA3, AREA4		
	DISPLAY	ON (Default)	POSITION	SIZE,RET,AGAIN
		OFF		
	BLACK MASK	ON (Default), OFF		
	LEVEL	0~100 (20)		
	MODE	ALL DAY (Default)		
		NIGHT	AGC LEVEL	0~255 (48)
			RETURN	RET / SAVE & END
	DEFAULT			
	RETURN	RET	SAVE & END	

4. WHITE BAL

WHITE BAL			
ATW (Default)			
AWC --> SET			
INDOOR			
OUTDOOR			
MANUAL	BLUE	0~100 (50)	
	RED	0~100 (50)	
	RETURN	RET	SAVE & END
AWB			

5. DAY&NIGHT

DAY&NIGHT					
EXT (Default)	D-N (DELAY)	0~60 (5)			
	N-D (DELAY)	0~60 (5)			
	RETURN	RET	SAVE & END		
AUTO	D-N (AGC)	1~255 (48)			
	D-N (DELAY)	0~60 (3)			
	N-D (AGC)	1~255 (32)			
	N-D (DELAY)	0~60 (3)			
	RETURN	RET	SAVE & END		
COLOR					
B/W	BURST	ON,OFF (Default)			
	IR SMART	ON (Default)	LEVEL	0~15 (3)	
			AREA	POSITION	SIZE,RET,AGAIN
			RETURN	RET	SAVE & END
		OFF			
	IR PWM	OFF, 0~10 (100)			
	RETURN	RET	SAVE & END		

6. NR

NR		
2DNR	OFF, LOW (Default), MIDDLE, HIGH	
3DNR	OFF, LOW (Default), MIDDLE HIGH	
RETURN	RET	SAVE & END

7. SPECIAL

SPECIAL					
CAM TITLE	OFF				
	ON (Default)				
D-EFFECT	FREEZE	OFF (Default), ON			
	MIRROR	OFF (Default), MIRROR, V-FLIP, ROTATE			
	NEG. IMAGE	OFF (Default), ON			
	RETURN	RET	SAVE & END		
MOTION	OFF (Default)				
	ON	SELECT	AREA1, AREA2, AREA3, AREA4		
		DISPLAY	ON (Default)	POSITION	SIZE,RET,AGAIN
			OFF		
		SENSITIVITY	0~100 (64)		
		COLOR	GREEN (Default), BLUE, WHITE, RED		
		TRANS	0.25, 0.50, 0.75, 1.00 (1.00)		
		ALARM	VIEW TYPE	ALL (Default), OFF, BLOCK, OUTLINE	
			OSD VIEW	ON (Default), OFF	
			ALARM OUT.	ON (Default), OFF	
			ALARMSIG.	LOW (Default), HIGH	
			TIME	1~15 (3)	
			RETURN	RET	SAVE & END
		DEFAULT			
		RETURN	RET	SAVE & END	
PRIVACY	OFF (Default)				
	ON	SELECT	AREA1~AREA4		
		DISPLAY	COLOR (Default)	POSITION	SIZE,RET,AGAIN
			MOSAIC		
			INV.		
			OFF		
		COLOR	RED, BLUE, YELLOW, GREEN, CYAN, USER, WHITE (Default), BLACK		
		TRANS	0.25, 0.50, 0.75, 1.00 (1.00)		
		DEFAULT			
		RETURN	RET	SAVE & END	
LANGUAGE	ENG, CHN1, CHN2, GER, FRA, ITA, SPA, POL, RUS, POR, NED, TUR, KOR				
DEFECT	LIVE DPC	ON (Default)	AGC LEVEL	0~255 (64)	
			LEVEL	0~100 (100)	
			RETURN	RET	SAVE & END
		OFF			
	WHITE DPC	ON (Default)	POS / SIZE	POSITION	SIZE,RET,AGAIN
			START		
			DPC VIEW	OFF (Default), ON	
			LEVEL	0~60 (4)	
			AGC	0~14 (14)	
			SENS-UP	X2, X4, X6, X8, X10, X15, X20, X25, X30 (x2)	
			RETURN	RET	SAVE & END

		OFF			
	BLACK DPC	ON (Default)	POS / SIZE	POSITION	SIZE,RET,AGAIN
			START		
			DPC VIEW	OFF (Default), ON	
			LEVEL	0~255 (255)	
			RETURN	RET	SAVE & END
		OFF			
	RETURN	RET		SAVE & END	
RS485	CAM ID	0~255 (1)			
	ID DISPLAY	OFF			
		ON	CAM 001~CAM 255		
	BAUD RATE	2400,4800,9600,19200,38400 (38400)			
	RETURN	RET		SAVE & END	
RETURN	RET	SAVE & END			

8. ADJUST

ADJUST					
SHARPNESS	SHARPNESS	AUTO (Default)	LEVEL	0~10 (4)	
			START AGC	0~255 (64)	
			END AGC	0~255 (208)	
			RETURN	RET	SAVE & END
		OFF			
MONITOR	LCD (Default)	BLACK LEVEL	0~60 (0)		
		GAMMA	USER (Default), 0.45,0.50,0.55,0.60,0.65,0.70,0.75,0.80,0.85,0.90,0.95,1.00		
		BLUE GAIN	0~100 (56)		
		RED GAIN	0~100 (56)		
		RETURN	RET	SAVE & END	
	CRT	BALCK LEVEL	0~60 (5)		
		BLUE GAIN	0~100 (50)		
		RED GAIN	0~100 (50)		
		RETURN	RET	SAVE & END	
LSC	ON,OFF (Default)				
VIDEO OUT	NTSC (Default), PAL				
MONITOR OUT	16:9 (Default), 4:3				
COMET	ON, OFF (Default)				
RETURN	RET		SAVE & END		

9. EXIT

EXIT	
EXIT	SAVE & END
	RESET
	NOT SAVE

SPECIFICATIONS

Model	TV7IB42-8360	TV7IB42-8600
Image Sensor	1/3" Sony CMOS : 1.3 Megapixel	
Resolution	1280(H) x 720(V) @ 25/30 FPS	
Synchronizing System	Internal	
Scanning System	2:1 Interlace	
Video Output	HD TVI	
Electronic Shutter	Auto 1/60 (1/50) ~ 1/50,000 sec / Flk	
Minimum Illumination	0.02Lux (F1.2 , AGC ON)	
IR LED	42 IR LED	
IR Distance	Up to 100ft / 30m	
Lens	3.6mm Megapixel Lens	6.0mm Megapixel Lens
Coaxial Cable Transmission Distance	1000ft / 300m (3C) ; 1600ft / 500m (5C)	
Twisted Cable Transmission Distance	300ft / 100m ; 65ft / 200m (TVI Balun) (Cat5e standard)	
Mechanical IR Cut	Yes	
Power Source	12V DC ± 10% / 1A	
Power Consumption	6.77W Max. ; 564mA Max.	
IP Rating	IP67	
Operating Temperature	14°F ~ 122°F / -10°C ~ 50°C	
Storage Temperature	-4°F ~ 158°F / -20°C ~ 70°C	
Dimension	3.05(W) x 6.81(H) x 4.5(D) inches / 77.4(W) x 173(H) x 114.2(D) mm	
Net Weight	1.23 lbs / 0.56 kg	

**Specifications are subject to change without notice.*

PAL Version also available.

www.OKINAUSA.com

RoHS FC CE

MADE IN TAIWAN

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